

## INFLATABLE WING WITH MANIFOLD

### ABSTRACT

An aerodynamic wing with a leading edge inflatable strut and at least one inflatable rib strut, wherein the struts are provided with a connection air pathway that allows the leading edge strut to act as a manifold for the inflation of the connected rib struts. Preferably, the connection air pathway is provided with a valve mechanism for selectively isolating the connected rib strut from the leading edge strut.